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SHARP 20AG1-F OPERATION MANUAL

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Operation Manual

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تلفزيون ملون

20AG1-F

■ دليل التشغيل ■

يرجى قراءة دليل التشغيل هذا بعناية قبل استعمال التلفزيون الملون.

TINS-B750WJZZ
05P01-MSF

SHARP

COLOUR TELEVISION
TÉLÉVISEUR COULEUR
ЦВЕТНОЙ ТЕЛЕВИЗОР

20AG1-F

■ **OPERATION MANUAL** ■
■ **MODE D'EMPLOI** ■
■ **ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ** ■

Please read this operation manual carefully before using the colour television.

Veuillez lire attentivement ce mode d'emploi avant d'utiliser ce téléviseur couleur.

Пожалуйста, перед началом эксплуатации цветного телевизора внимательно ознакомьтесь с настоящей инструкцией по эксплуатации.

ENGLISH

FRANÇAIS

РУССКИЙ

TINS-B750WJZZ
05P01-MSF

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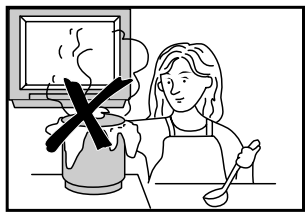
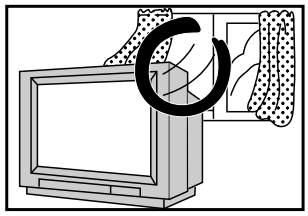
Dear Sharp Customer

Thank you for buying SHARP Colour Television Receiver. To ensure proper operation, please read this manual carefully. After reading, keep this manual in a safe place for future reference.

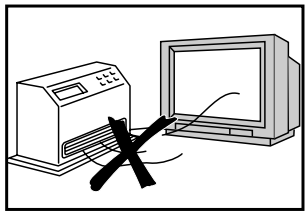
Safety Precautions



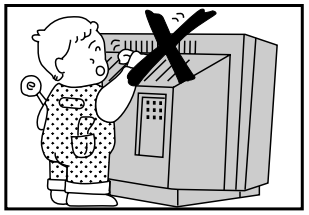
To prevent fire or electrical shock, do not use the TV set in an excessively damp place.



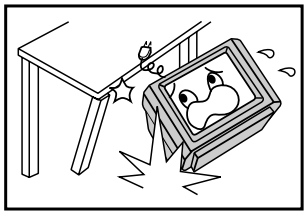
Do not cover the ventilation holes at the back of the TV set, this can cause fire or other serious problems. Leave an adequate open space behind the TV set for good ventilation.
Do not place this set in confined spaces, such as a bookshelf or built-in case.



Position the TV set out of direct sunlight and away from heat, as high temperatures can damage the cabinet, CRT, or other electronic parts.



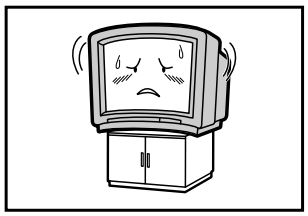
Never insert or drop any metallic or inflammable objects into the ventilation holes of the TV set, this can cause fire, electrical shock, or electrical failure. Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilt on the TV set can cause serious problems.



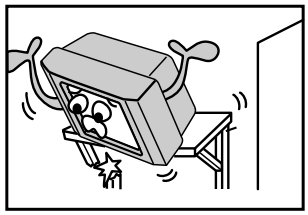
Do not place this television equipment on an unstable cart, stand, or table. The television equipment may fall, causing serious injury to a child or an adult, and serious damage to the equipment.
Use only with a cart or stand recommended by the manufacturer, or sold with the television equipment.

Safety Precautions (continued)

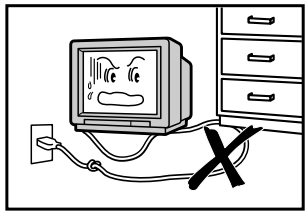
Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



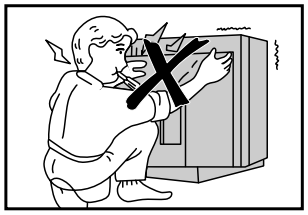
Do place the TV set onto an even stand, table or track which size is bigger than the TV set. If the TV set is put onto a smaller size or uneven stand, table or track may cause the TV cabinet distort.
Do not put or insert anything between TV set and the stand, table or track.



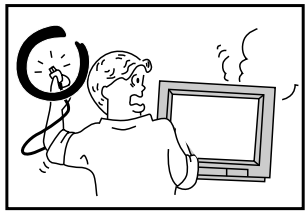
Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.



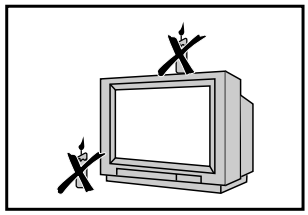
To prevent electrical shock, do not subject the AC power cord to damage by bending or twisting it, or by placing heavy items on top of it and do not place the AC power cord under the TV set. If the AC power cord becomes damaged, unplug it from the wall outlet immediately and call your dealer for service.



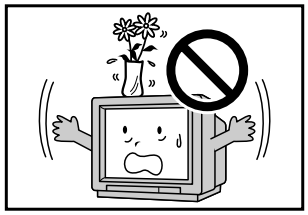
Never remove the back of the cabinet, as there is high voltage inside the TV set.



Unplug the power cord from the wall outlet immediately if the TV set begins to make unusual noises or give off smoke or an odd smell, then call our service centre for service.



To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

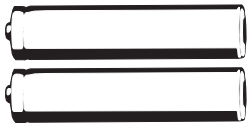


To prevent fire or shock hazard, do not expose this products to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the products.

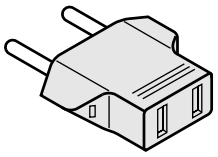
Accessories

After unpacking, check to make sure that the following accessories are included:

Remote control



Size-AA dry batteries



AC Plug Adaptor

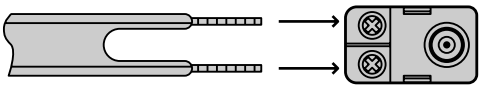
Antenna Connection

- The following is a brief explanation of the types of connection that are used for coaxial cables:

(1) If your outdoor antenna uses a 75-ohm coaxial cable, then the connection to the TV is via DIN45325 plug (shown at right). Plug this into the antenna jack at the rear of the TV set.

(2) If your outdoor antenna uses a 300-ohm twin-lead flat feeder, change this for a 300-ohm to 75-ohm impedance converter and plug it into the antenna jack at the rear of the TV set.

75-ohm coaxial cable (round cable)



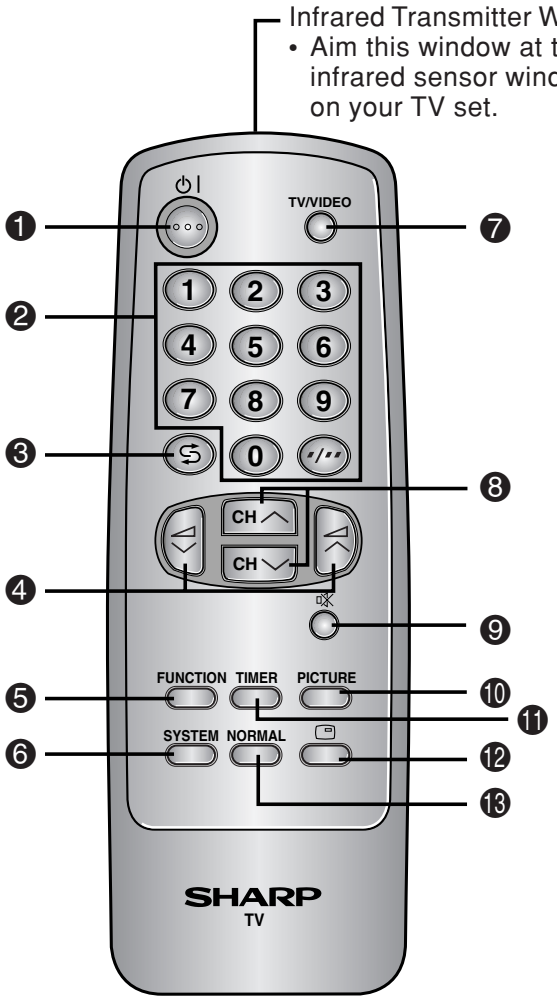
300-ohm twin-lead feeder

NOTE

- Remove the power cord from the electrical outlet before connecting the antenna to the rear of the TV set.

Location of Controls

Remote Control



❶ **STANDBY/ON** (⏻I) button

❷ **CHANNEL SELECT** buttons (① - ⑨, ⓪ and ⁄--- button)

❸ **FLASHBACK** (⮌) button
- Returns to previously viewed channel.

❹ **VOLUME UP** (🔊) or **DOWN** (🔉) button
- Used to adjust the volume.
- These buttons are also used to control FUNCTION, TIMER, PICTURE, COLOUR and SOUND SYSTEM.

❺ **FUNCTION** button
- Each time you press the **FUNCTION** button, the mode changes in the following order:

→ FINE → SKIP → WHITE TEMP →
NORMAL SCREEN ← LANGUAGE ← BLUE BACK

❻ **SYSTEM** button
- For COLOUR SYSTEM and SOUND SYSTEM.

❼ **TV/VIDEO** Select button

❽ **CHANNEL UP** (CH∧) or **DOWN** (CH∨) button
- Used to select the CHANNEL.
- These buttons are also used to control the OSD LANGUAGE.

❾ **SOUND MUTE** (🔇) button
- Press → Mutes sound
- Press again → Restores sound to previous level.

❿ **PICTURE** button
- For adjusting the PICTURE.

⓫ **TIMER** button
- For Reminder, OFF Timer and ON Timer.

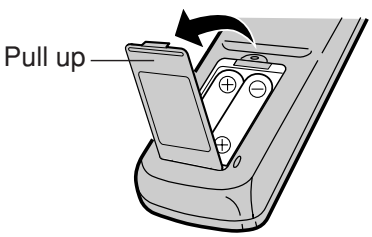
⓬ **CALL** (▭) button
- Displays the channel and timer settings on the screen.

⓭ **NORMAL** button
- Resets all settings.

■ Installing dry batteries in the remote control unit

When using the TV set for the first time, install the supplied dry batteries in the remote control.

Inserting Batteries



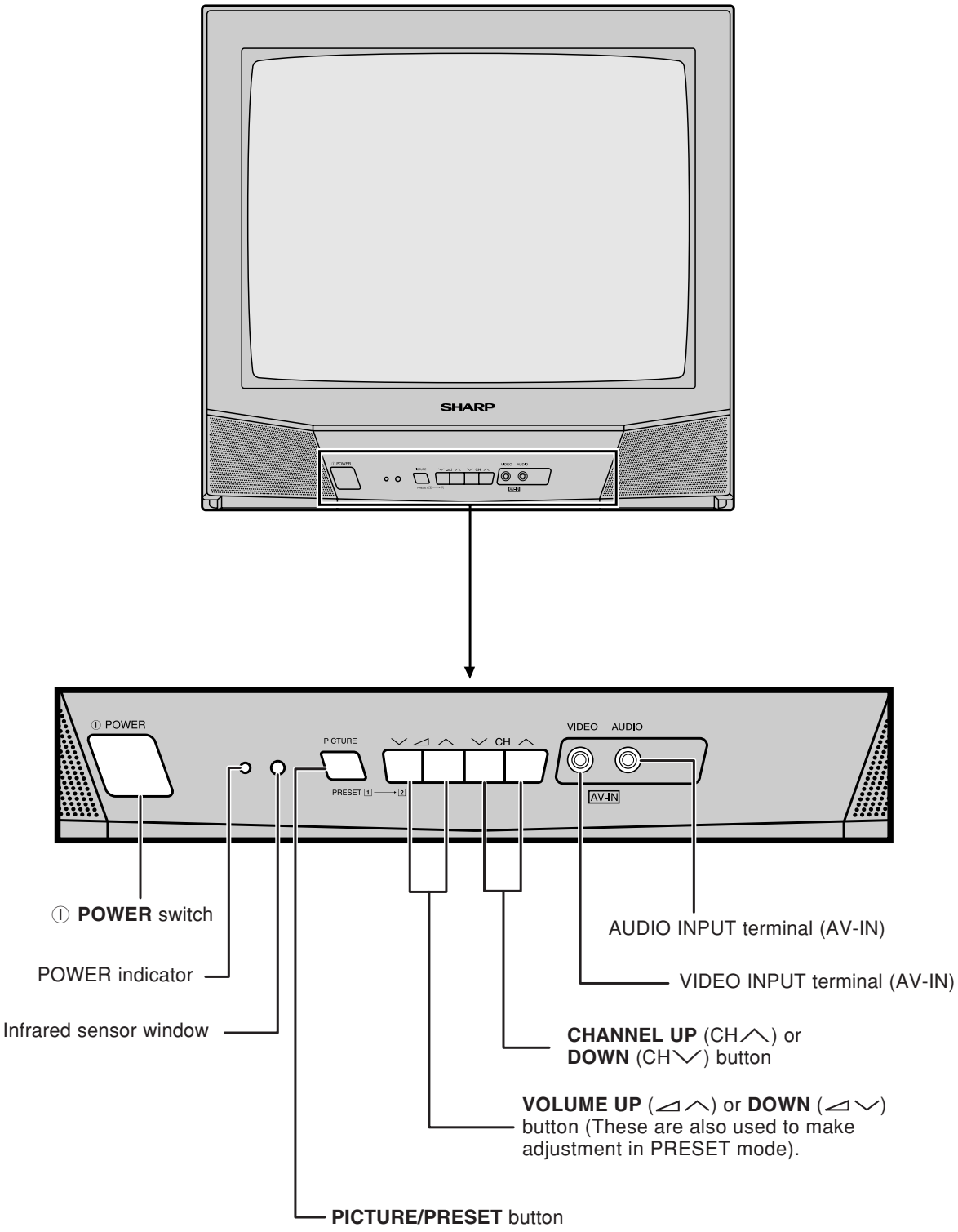
❶ With your thumbnail, pull up the slit as indicated by the arrow to remove the back cover.

❷ Insert two batteries (size “AA”). Be sure to match the battery ⊕/⊖ terminals with the ⊕/⊖ marks inside the compartment.

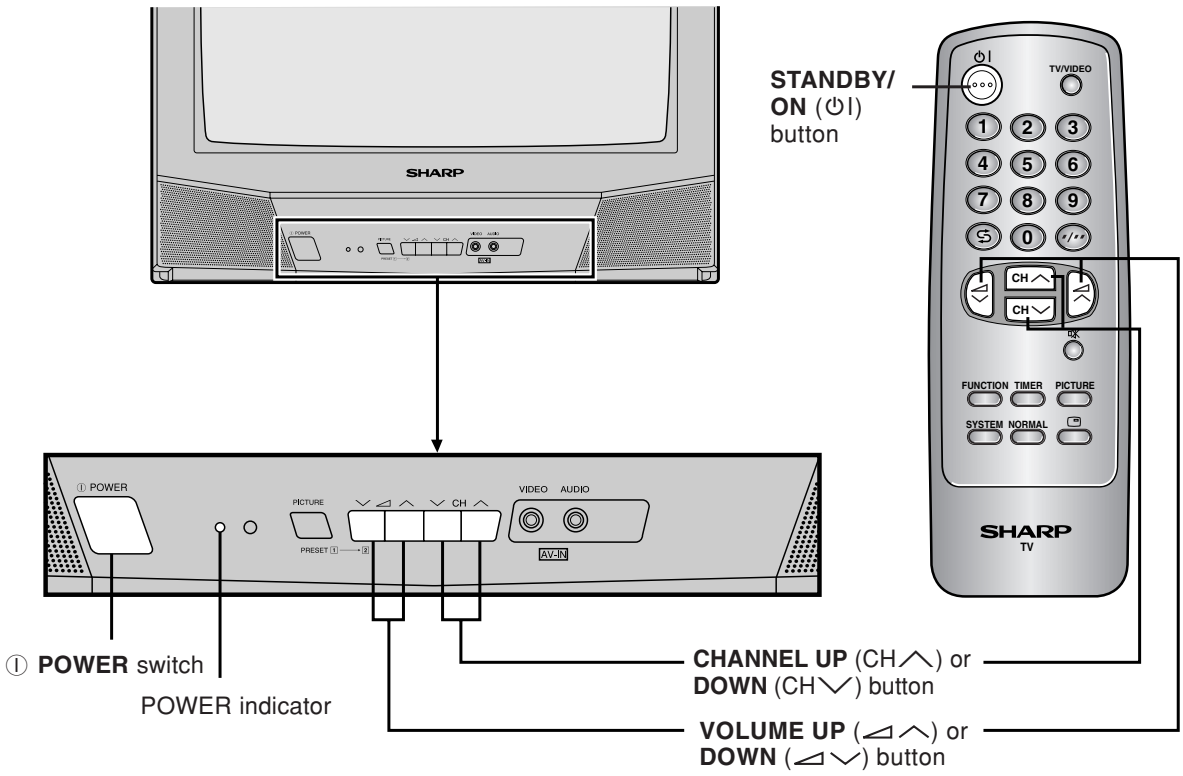
❸ Put back the battery cover.

NOTE
- Remove batteries if weak or if the unit is not in use for long periods.
- Do not mix old and new batteries.
- Incorrect installation of the batteries may damage the remote control.

TV Front

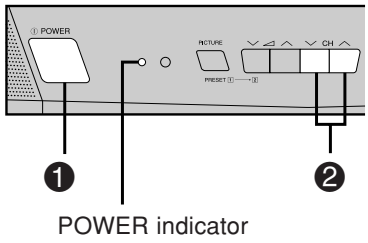

SHARP
POWER
PICTURE
PRESET 1 2
CH
VIDEO
AUDIO
AV-IN
⏻ POWER switch
POWER indicator
Infrared sensor window
PICTURE/PRESET button
VOLUME UP (◿ ◸) or DOWN (◿ ◺) button (These are also used to make adjustment in PRESET mode).
CHANNEL UP (CH ◸) or DOWN (CH ◺) button
VIDEO INPUT terminal (AV-IN)
AUDIO INPUT terminal (AV-IN)

Basic Operation

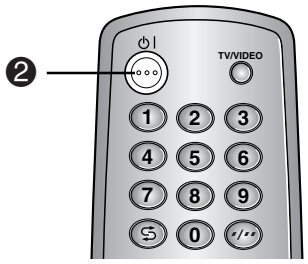


(1) Turn On the Power

(TV set)



POWER indicator



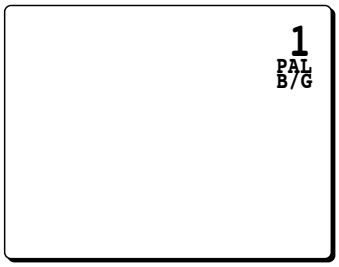
❶ Press the ⏻ **POWER** switch on the TV set to turn the TV set ON.

TV ON mode: POWER indicator lights up brightly

TV Standby mode: POWER indicator lights up dimly

❷ Press the **STANDBY/ON** (⏻I) button on the remote control or any of the **CHANNEL UP** (CH) or **DOWN** (CH) button on the TV set.
The POWER indicator changes from dimly to brightly and a picture appears on the screen.

(On-screen display)



NOTE

- Due to factory setting, when the first time you press the ⏻ **POWER** switch on the TV set, a picture appears and the POWER indicator lights up brightly.
- The **STANDBY/ON** (⏻I) button on the remote control lets you switch between ON and Standby mode when the main power is ON.
- If you will not be at home for a considerable length of time, as a safety precaution, turn off the main power by pressing the ⏻ **POWER** switch on the TV set and unplug the cord from the outlet.

(2) Changing the Channels

Changing channels with the CHANNEL UP (CH∧) or DOWN (CH∨) button on the remote control

Press the **CHANNEL UP** (CH∧) button and the channels change in the order shown below:
1 → 2 → 3 → … → 98 → 99 → 0 → 1 → 2 → 3 → …

Press the **CHANNEL DOWN** (CH∨) button and the channels change in the order shown below:
3 → 2 → 1 → 0 → 99 → 98 → … → 3 → 2 → 1 → …

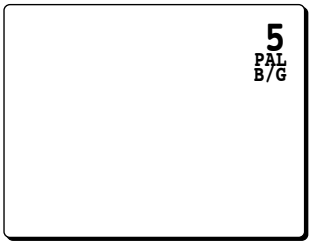
NOTE

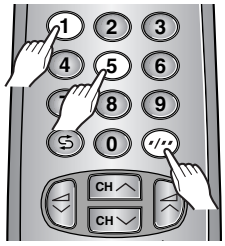
- Channels that have been set to SKIP cannot be selected. (Please see page 11 for details on Skipping Channels.)
- When selecting the channel using the **CHANNEL UP** (CH∧) or **DOWN** (CH∨) button on the TV set, AV mode is positioned as follows:
  Channel up: **1 → 2 → 3 → … → 98 → 99 → AV → 0 → 1 → 2 → 3 → …**
  Channel down: **3 → 2 → 1 → 0 → AV → 99 → 98 → … → 3 → 2 → 1 → …**

Changing channels using the CHANNEL SELECT buttons on the remote control

- To handle the increasing number of channels available, this TV set allows you to select up to 100 position (Channel 0 to 99). One-digit and two-digit methods of selection can be used. Follow the procedure shown below to select channels.

To select a one-digit channel (e.g., Channel 5):
(1) Press the (5) button.
(2) If "5-" is indicated and the picture does not change, press the (-/--) button to switch over to the 1-digit select mode and press the (5) button again.

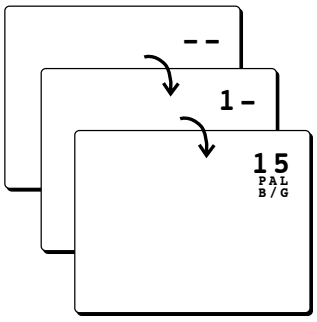




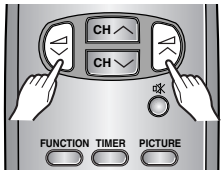
To select a two-digit channel (e.g., Channel 15):
(1) Press the (-/--) button to set the 2-digit select mode.
(2) Press the (1) button.
(3) Press the (5) button.

NOTE

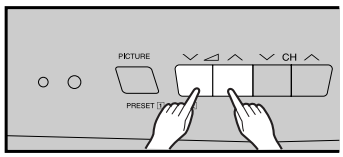
- In this mode entering a 0 first will enable selection of single digit channels e.g. 07.
- Complete this procedure within 6 seconds, otherwise the selection will not be made.



(3) Adjusting the Volume



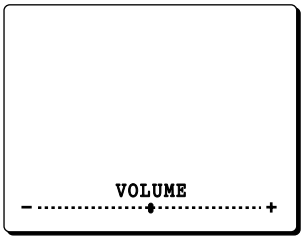
(TV set)



Press the **VOLUME UP** (◁) or **DOWN** (▷) button to adjust the volume.

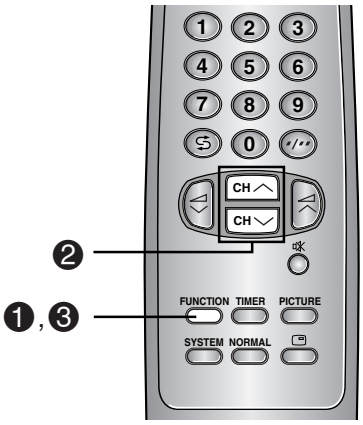
The number of oval blocks " ▮ " indicates volume level.

The display disappears approximately 3 seconds after the volume adjustment has been completed.



OSD (On-Screen Display) Language Selection

On-Screen Display language selection



❶ Press the **FUNCTION** button 5 times.

❷ Press the **CHANNEL UP** (CH ∧) or **DOWN** (CH ∨) button to move the ► mark on the screen when selecting “ENGLISH”, “CHINESE”, “FRENCH”, “RUSSIAN”, “MALAY” or “ARABIC”.

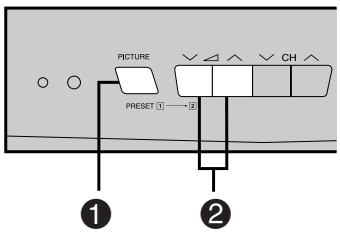
❸ Press the **FUNCTION** button again.
The on-screen display disappears.

NOTE
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

Presetting Channels

Full Auto Channel Preset (AUTO):
Automatically tunes in and presets receivable TV stations.

(TV set)



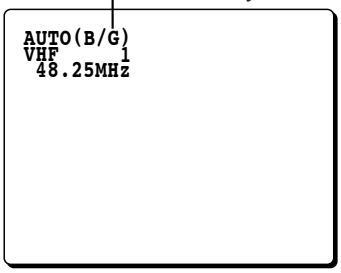
❶ Press the **PICTURE** (**PRESET-** 1) button on the TV set for more than 2 seconds, to turn on Full Auto Channel Preset Mode.

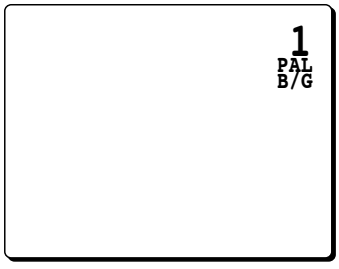
❷ Press the **VOLUME UP** (◿ ∧) or **DOWN** (◿ ∨) button on the TV set. All the TV stations in your area that can be received by the TV set are automatically preset between channels 1 to 99.

❸ When full auto channel preset is finished, the screen shows whatever is on channel 1.

NOTE
- Unused channels are automatically skipped.

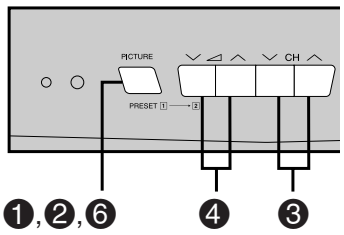
Sound System

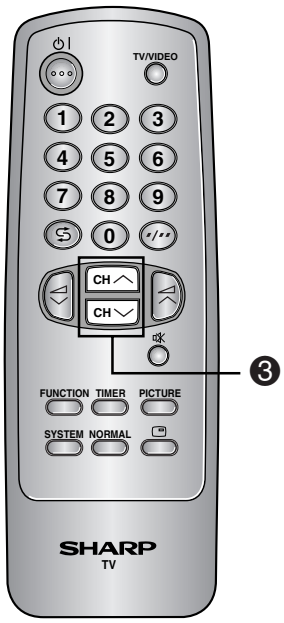




Manual Channel Preset (MANUAL):
Setting a channel to a desired TV station.

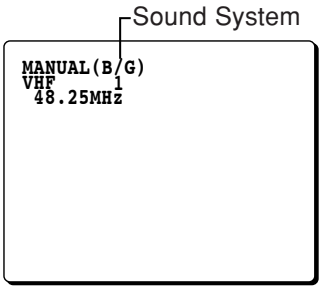
(TV set)



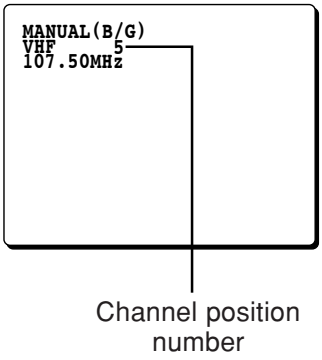


❶ Press the **PICTURE** (**PRESET-** 1) button on the TV set for more than 2 seconds. The Auto mode screen appears.

❷ Press the **PICTURE** (**PRESET-** 1) button again to display the MANUAL mode screen.



❸ Press the **CHANNEL UP** (CH∧) or **DOWN** (CH∨) button to choose the channel position to be set. (The illustration on the right shows that channel 5 has been selected to be set.)

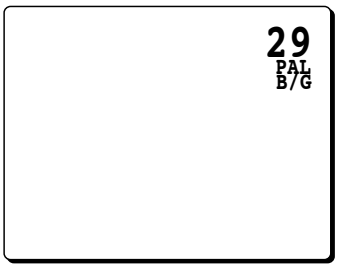


❹ Press the **VOLUME UP** (◿∧) or **DOWN** (◿∨) button on the TV set to locate the channel you want to preset to the position. Search is initiated and when a TV signal is received during the search, the search stops.

- This step can only be done by pressing the **VOLUME UP** (◿∧) or **DOWN** (◿∨) button on the TV set.

❺ Repeat steps 3 to 4 above to set the channel position for other broadcast, cable channels, etc.

❻ After the above operation, press the **PICTURE** (**PRESET-** 1) button on the TV set again. The TV set returns to normal mode and the channel number last preset is displayed on the upper right corner.



NOTE

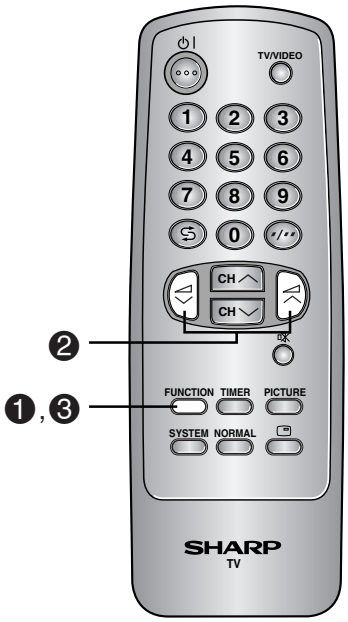
- SOUND SYSTEM may not have been set correctly, if noise can be heard or if there is no sound.
  In such case, reset the SOUND SYSTEM using the **SYSTEM** button on the remote control.

NOTE

- If you use Manual Channel Preset in a weak reception area, or under bad reception conditions, you might not pick up the broadcast you expect, instead you might skip to another broadcast. If this happens, when the picture appears on the screen, press the **VOLUME UP** (◿∧) or **DOWN** (◿∨) button to force Manual Search to stop, then first adjust the picture to optimum using FINE TUNING (Please see page 10).

Fine Tuning

This function lets you easily fine-tune the TV set to improve reception and picture quality

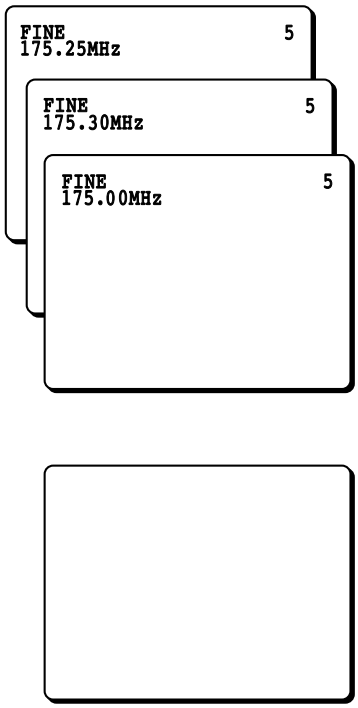


❶ Press the **FUNCTION** button 1 time.

❷ Press the **VOLUME UP** (◁) button. The reception frequency signal is adjusted upward.
Press the **VOLUME DOWN** (▷) button. The reception frequency signal is adjusted downward.

- Use a combination of the above operations to tune in the optimum picture.

❸ Press the **FUNCTION** button 5 times. The on-screen display disappears.



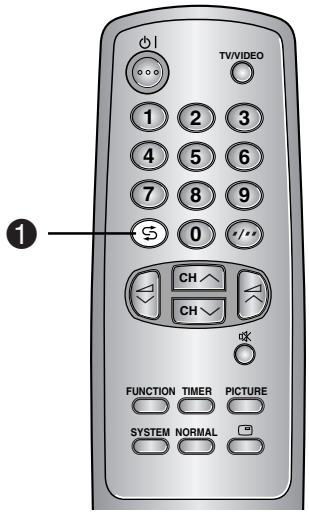
NOTE

- When using FINE TUNING, the channel number changes from green to yellow.
- To return the channel to its original frequency setting, follow the manual channel preset procedure. (Please see page 9 for details on Manual Channel Preset.)
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

Flashback

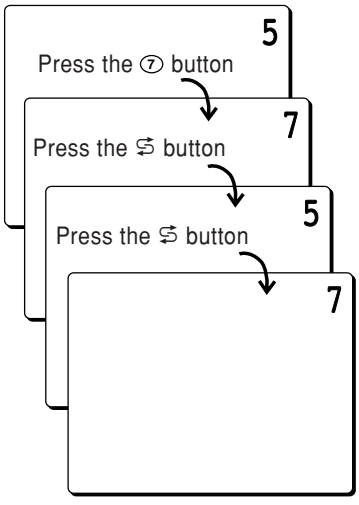
⇆ Flashback:

Switches back to the previous channel.



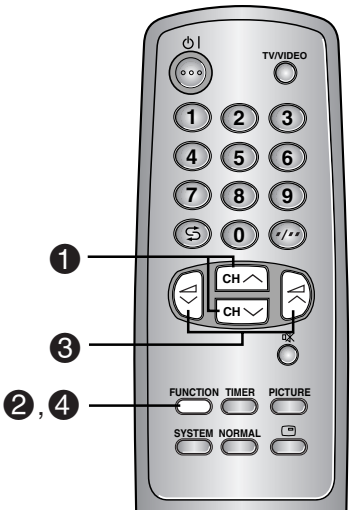
❶ Press the **FLASHBACK** (⇆) button. The channel previously viewed returns to the screen.

Example :
After switching from channel 5 to channel 7 the **FLASHBACK** (⇆) button is pressed, the channel will change to channel 5. Press the **FLASHBACK** (⇆) button again to return to channel 7.

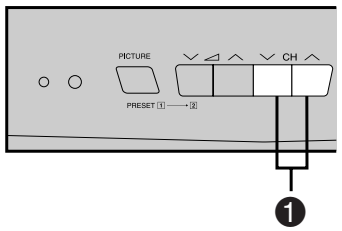


Skipping Channels

This function lets you skip vacant channels or channels that you never watch when you select channels using the CHANNEL UP or DOWN button



(TV set)



■ Setting Skip

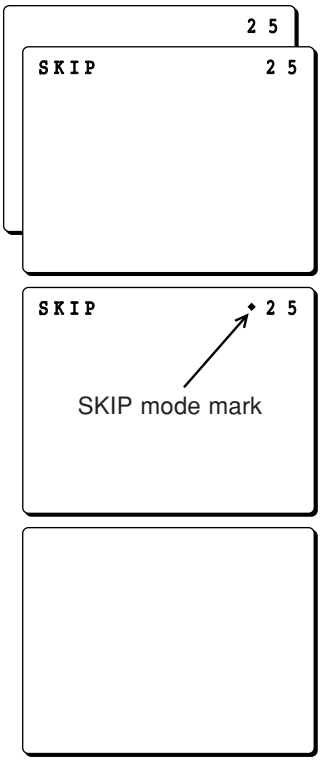
❶ Use the remote control or TV set **CHANNEL UP** (CH∧) or **DOWN** (CH∨) button to select the channel to skip.

❷ Press the **FUNCTION** button 2 times.

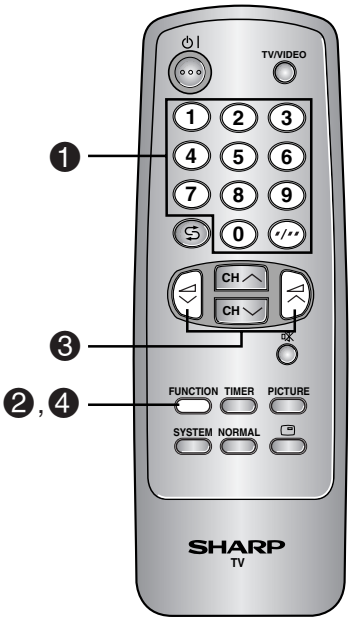
❸ Press the **VOLUME UP** (◁) or **DOWN** (▷) button.
The SKIP mode is set and the "◆" mark is displayed on the left of the channel number.

❹ Press the **FUNCTION** button 4 times. The on-screen display disappears.

Example:
When pressing the **CHANNEL UP** (CH∧) or **DOWN** (CH∨) button, Channel 25 is skipped as shown below.
Channel up: ...→ 23 → 24 → 26 →...
Channel down: ...→ 27 → 26 →24→...



NOTE
- If a channel that has been set to SKIP is selected using the **CHANNEL SELECT** buttons on the remote control, the "◆" mark will be displayed on the left of the channel number.
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.



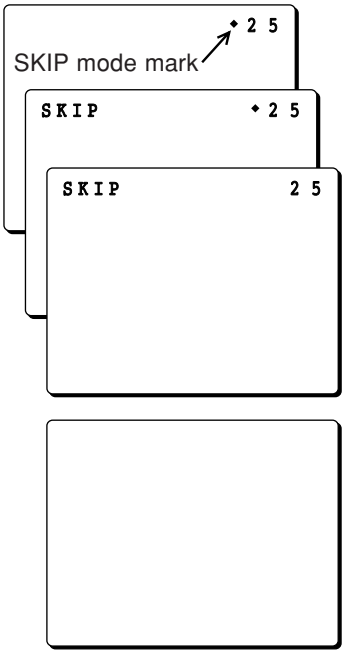
■ Cancelling Skip

❶ Use the remote control **CHANNEL SELECT** buttons to select the skipped channel.

❷ Press the **FUNCTION** button 2 times.

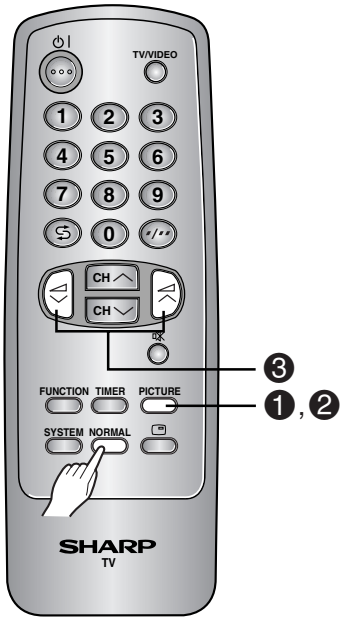
❸ Press the **VOLUME UP** (◁) or **DOWN** (▷) button.
The "◆" mark on the left of the channel number disappears and the SKIP mode is cancelled.

❹ Press the **FUNCTION** button 4 times. The on-screen display disappears.

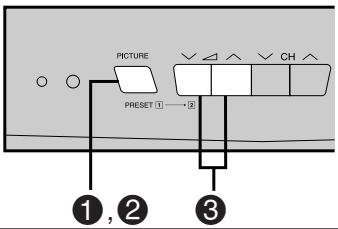


Picture Adjustment

Adjusting the Picture



(TV set)



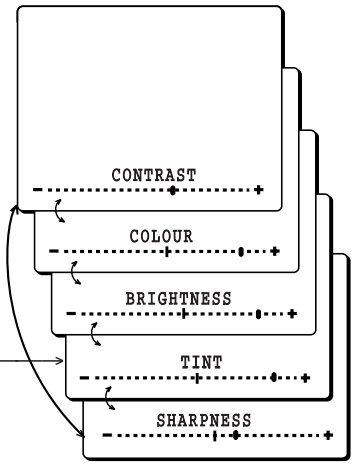
❶ Press the **PICTURE** button to enter Picture Adjustment mode.

❷ Each time you press the **PICTURE** button, the mode changes as shown on the right.

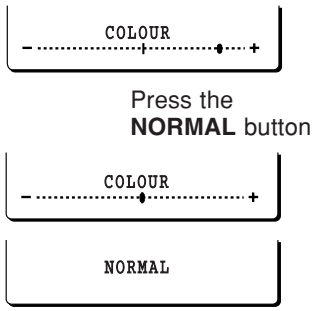
❸ Adjust using the **VOLUME UP** (◅) or **DOWN** (▻) button.

TINT is displayed only for NTSC and is not displayed for PAL or SECAM.

- When the **NORMAL** button is pressed while a PICTURE selection is displayed on the screen, only the selected mode on the screen is reset to the standard (factory setting) position.
- When the **NORMAL** button is pressed during NORMAL-MODE, all PICTURE selections are reset to the standard (factory setting) positions.



(Example)



■ PICTURE menu screen

The following table lists the adjustment items shown in the PICTURE menu screen and how they change as you press the **VOLUME UP** (◅) or **DOWN** (▻) button.

Selected Item	Press the (▻) button	Press the (◅) button
CONTRAST	To decrease contrast	To increase contrast
COLOUR	For less colour intensity	For more colour intensity
BRIGHTNESS	For less brightness	For more brightness
TINT	To move tint toward purple	To move tint toward green
SHARPNESS	For less sharpness	For more sharpness

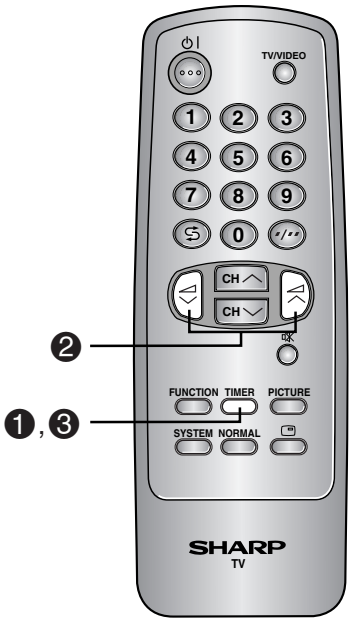
NOTE

- TINT can only be selected and adjusted when receiving NTSC broadcasts. (AV only)
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

Timers

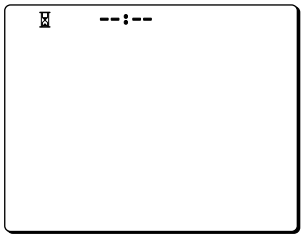
Reminder:

This function lets you know when a preset length of time has passed by displaying a "⧗" mark on the TV set. This is useful for timer cooking while you watch TV.

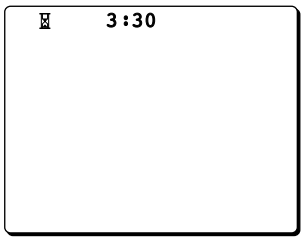


■ Setting the Reminder

❶ Press the **TIMER** button and the "⧗" mark appears.



❷ Press the **VOLUME UP** (◁) or **DOWN** (▷) button to set the time. (Maximum time that can be preset is 12 hours and 50 minutes.) In this state, the Timer starts to count down.



❸ When you have finished setting the time, press the **TIMER** button 3 times. The on-screen display disappears.

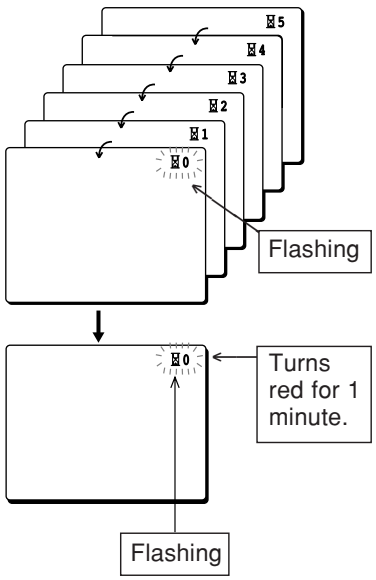
■ Action of the Reminder

5 minutes before the preset length of time has passed, the remaining time is displayed on the screen for 10 seconds.

When the preset length of time (in the above example 3 hours and 30 minutes) has passed, the "⧗" mark turns red.

The Reminder function also works when the TV set is in Standby mode. Power is automatically turned on 5 minutes before the preset length of time has passed. After completion of above steps, the TV set returns to Standby mode automatically.
(If you press any key before the TV set returns to Standby mode, the TV set remains on and does not return to Standby mode.)

(Example)

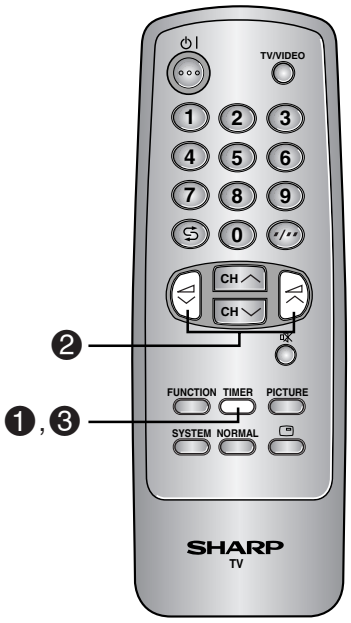


NOTE

- To cancel the Reminder, press the **NORMAL** button during the Reminder mode.
- The minute setting of the timer is in 10-minute units.
- The Reminder is cancelled if the ⏻ **POWER** switch on the TV set is turned off or if the power is otherwise cut off.
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

OFF Timer:

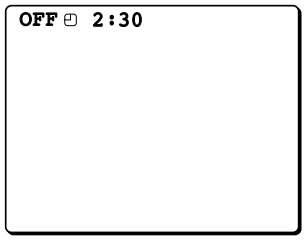
Automatically turns to Standby mode after the set length of time has passed.



■ Setting the Off Timer

❶ Press the **TIMER** button 2 times and the OFF ⏲ display appears.

❷ Press the **VOLUME UP** (⏶) or **DOWN** (⏷) button to set the time. (Maximum time that can be preset is 12 hours and 50 minutes.) In this state, the Timer starts to count down.



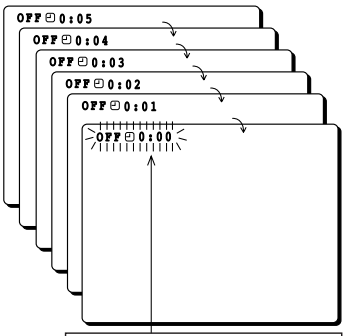
❸ When you have finished setting the time, press the **TIMER** button 2 times. The on-screen display disappears.

■ Action of the Off Timer

5 minutes before the Off Timer activates, the remaining time is displayed on the screen for 3 seconds, and reappears at the start of every remaining minute.

A flashing display of the remaining time appears on the screen during the last five seconds before the Off Timer activates.

When the preset length of time (in the above example, 2 hours and 30 minutes) has passed, the TV set enters Standby mode.



Flashing for 5 seconds

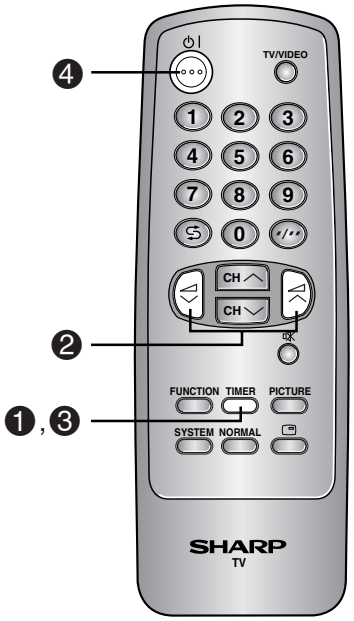
(The power turns off)

NOTE

- To cancel the Off Timer, press the **NORMAL** button during the Off Timer mode.
- The minute setting of the timer is in 10-minute units.
- The Off Timer is cancelled if the power is turned off with the **STANDBY/ON** (⏻/I) button on the remote control or the ⏽ **POWER** switch on the TV set or if the power is otherwise cut off.
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

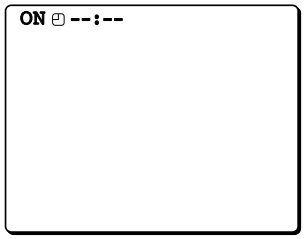
ON Timer:

Automatically turns power on after the set length of time has passed.

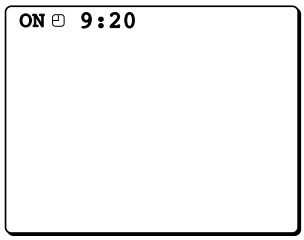


■ Setting the On Timer

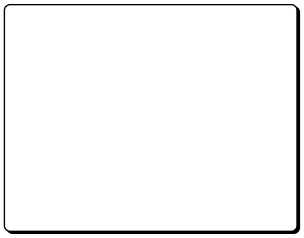
❶ Press the **TIMER** button 3 times and the ON ◴ display appears.



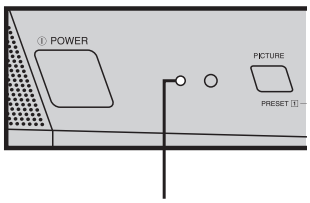
❷ Press the **VOLUME UP** (◅) or **DOWN** (▻) button to set the time. (Maximum time that can be preset is 12 hours and 50 minutes.) In this state, the Timer starts to count down.



❸ When you have finished setting the time, press the **TIMER** button. The on-screen display will disappear and the Timer function is turned on.



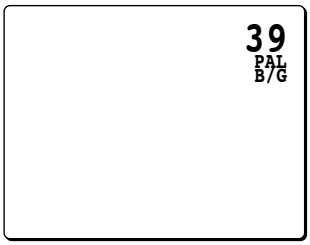
(TV set)



POWER indicator
(Flashing)

❹ Press the **STANDBY/ON** (⏻/I) button to put the TV set into Standby mode. (POWER indicator will flash to indicate On Timer is set.)

When the preset length of time (in the above example, 9 hours and 20 minutes) has passed, the power turns on and a picture appears on the screen.



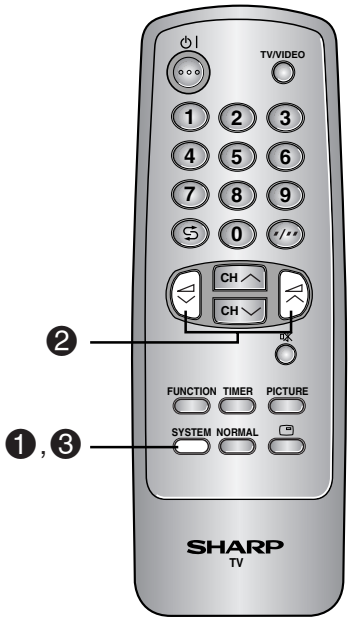
NOTE

- To cancel the On Timer, press the **NORMAL** button during the On Timer mode.
- The minute setting of the timer is in 10-minute units.
- Always use the **STANDBY/ON** (⏻/I) button on the remote control to turn off the power. The On Timer setting is cancelled if power is turned off using the ⏻ **POWER** switch on the TV set.
- The Off Timer is automatically set to turn the TV set off in 2 hours, if the TV set is turned on by the On Timer. To cancel the Off Timer, press the **NORMAL** button during the Off Timer mode.
- The picture which appears on the screen, having been turned ON by the On Timer, is set at the channel and volume prior to Standby mode.
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

Colour and Sound System

Switching Systems:

Set the system to AUTO for normal TV reception. The AUTO mode automatically detects the receiving signal system and changes the reception system of the TV set. When the picture or sound is not stable, switching to an appropriate system may improve the picture or sound quality.



❶ Press the **SYSTEM** button 1 time.

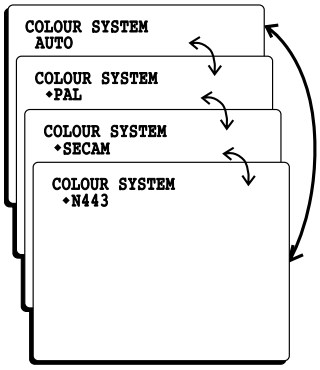
❷ Press the **VOLUME UP** (◁) or **DOWN** (▷) button.
COLOUR SYSTEM mode changes as shown on the right each time you press the **VOLUME UP** (◁) or **DOWN** (▷) button.

❸ Press the **SYSTEM** button 2 times. The on-screen display disappears.

NOTE

• When you select the channel position to AV by pressing the **TV/VIDEO** button, COLOUR SYSTEM mode changes in the following order:

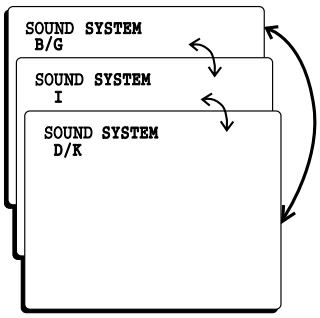
AUTO ⟷ PAL ⟷ SECAM
↑ ↓ ↑
N358 ⟷ N443



❶ Press the **SYSTEM** button 2 times.

❷ Press the **VOLUME UP** (◁) or **DOWN** (▷) button.
SOUND SYSTEM mode changes as shown on the right each time you press the **VOLUME UP** (◁) or **DOWN** (▷) button.

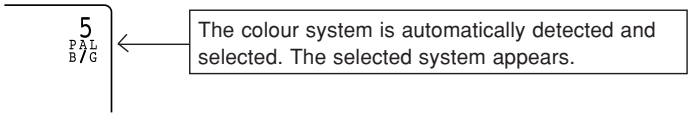
❸ Press the **SYSTEM** button again. The on-screen display disappears.



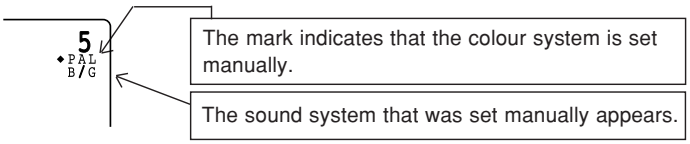
NOTE

• System indication during reception

<When set to AUTO>



<When set to a specific system mode>



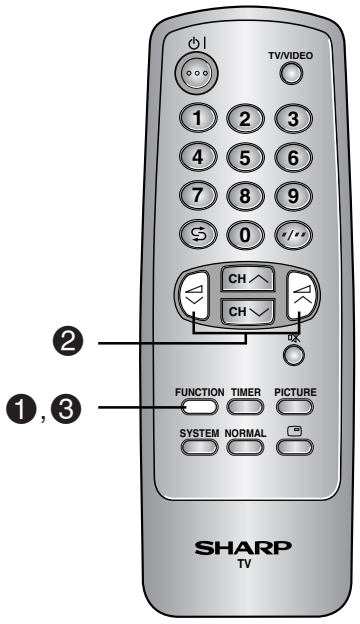
NOTE

• If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

Function Adjustment

Blue Back:

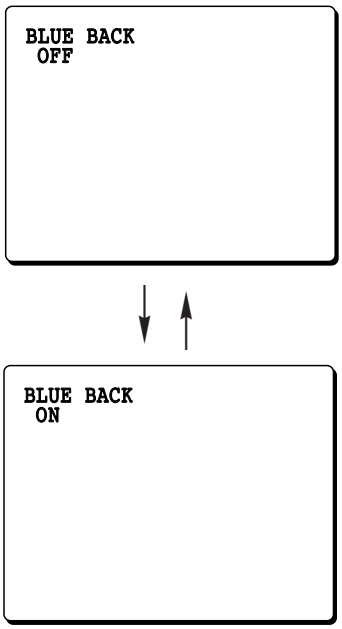
Automatically turns the screen blue after 5 seconds if the broadcast signal is not received (e.g. when a TV station closes down). After 15 minutes of non-reception, the TV set enters Standby mode.



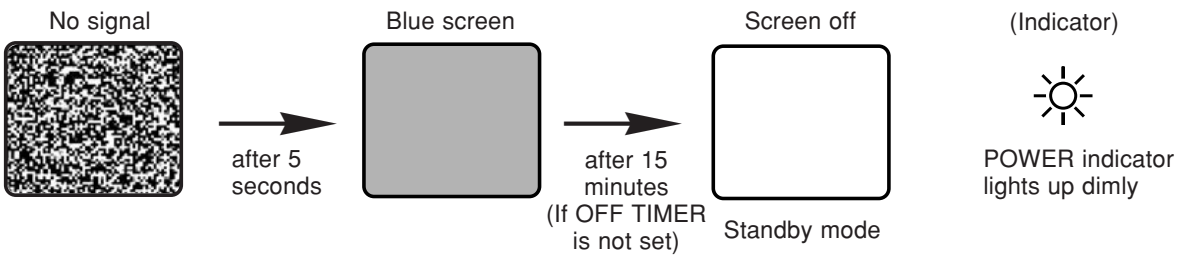
❶ Press the **FUNCTION** button 4 times.

❷ Press the **VOLUME UP** (▷) or **DOWN** (◁) button to select ON or OFF.

❸ Press the **FUNCTION** button 2 times. The on-screen display disappears.



When the BLUE BACK is set to “ON”

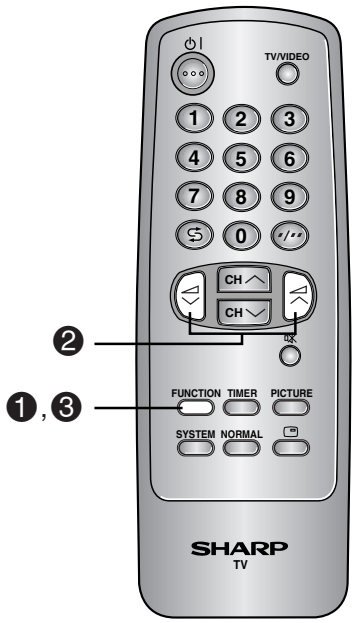


NOTE

- Poor reception due to weak signals, and too much noise might activate the BLUE BACK function, despite the presence of a broadcast signal. To continue watching TV under these conditions, switch the BLUE BACK “OFF”.
- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

White Temp:

This function changes the white colour background to reddish white or bluish white.



❶ Press the **FUNCTION** button 3 times.

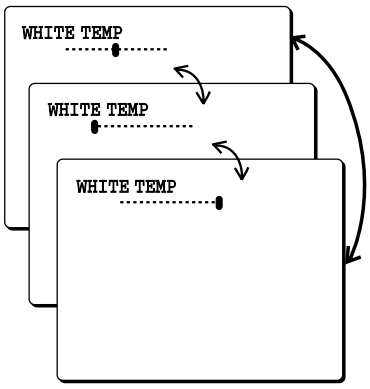
❷ Press the **VOLUME UP** (◁) or **DOWN** (▷) button. The function changes as shown on the right each time you press the **VOLUME UP** (◁) or **DOWN** (▷) button.

·····●·····: Normal white colour
("●" appears in white)

●·····: Reddish white
("●" appears in red)

·····●: Bluish white
("●" appears in blue)

❸ Press the **FUNCTION** button 3 times. The on-screen display disappears.

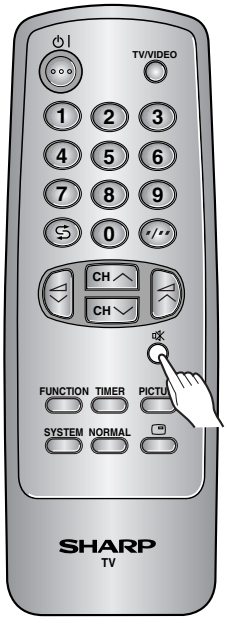


NOTE

- If approximately 6 seconds pass without a button being pressed, the mode setting is automatically terminated and the TV set returns to normal mode.

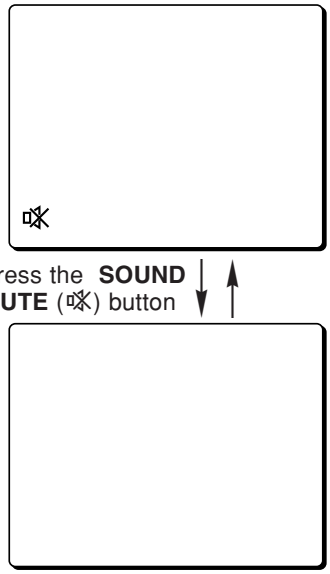
🔇 Sound Mute:

Silences the sound.



❶ Press the **SOUND MUTE** (🔇) button. This SOUND MUTE (🔇) symbol appears on the screen and the sound is silenced.

❷ Press the **SOUND MUTE** (🔇) button again and the volume returns to its previous level.

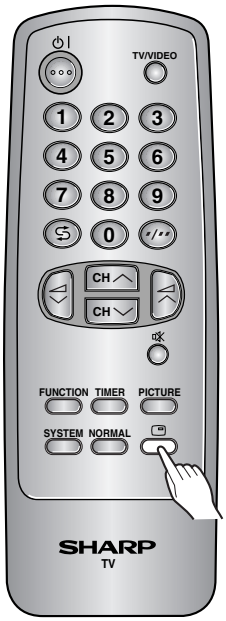


NOTE

- Sound Mute will be cancelled if the **VOLUME UP** (◁) or **DOWN** (▷) button is pressed at anytime.

Call:

Displays the current channel number, the timer and other settings on the screen.



❶ Press the **CALL** ( ) button. The time remaining on the Off Timer, On Timer and Reminder appear on the screen.

NOTE

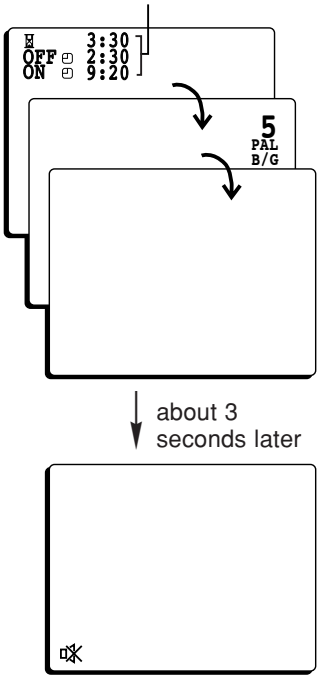
- When no Timer is set, the channel number, colour and sound system appear on the screen. Press again to clear these current settings display on the screen.

❷ Press the **CALL** ( ) button again. The channel number and colour system are displayed on the screen.

❸ Press the **CALL** ( ) button 1 time again. The channel number display disappears and the screen returns to normal mode.

- If Sound Mute is also set, the above display disappears after about 3 seconds and the SOUND MUTE (🔇) symbol is displayed.

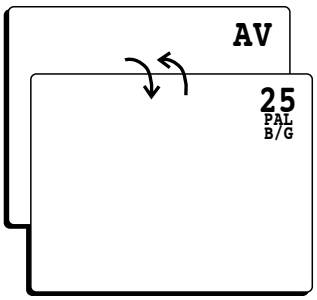
(Time remaining on the Timer)



TV/VIDEO:

Switches between TV broadcasts and AV input programs.

- Each time you press the **TV/VIDEO** button, the input switches over between AV and TV program.



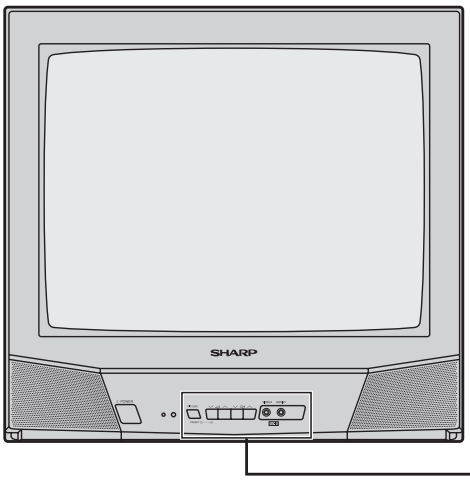
NOTE

- The front AV terminals have the priority over the rear AV terminals.
- If 2 equipments are connected to the TV set from the front AV terminals and rear AV terminals, unplug the front AV terminals cable to view the input from the rear AV terminals.

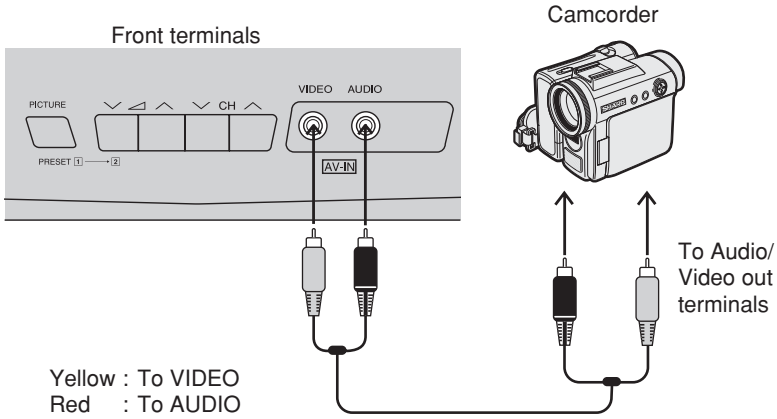
Video Equipment Connections

Enjoy the stunning visuals of a VIDEO DISC PLAYER or VCR by connecting them to this TV set through its Audio/Video In terminals.

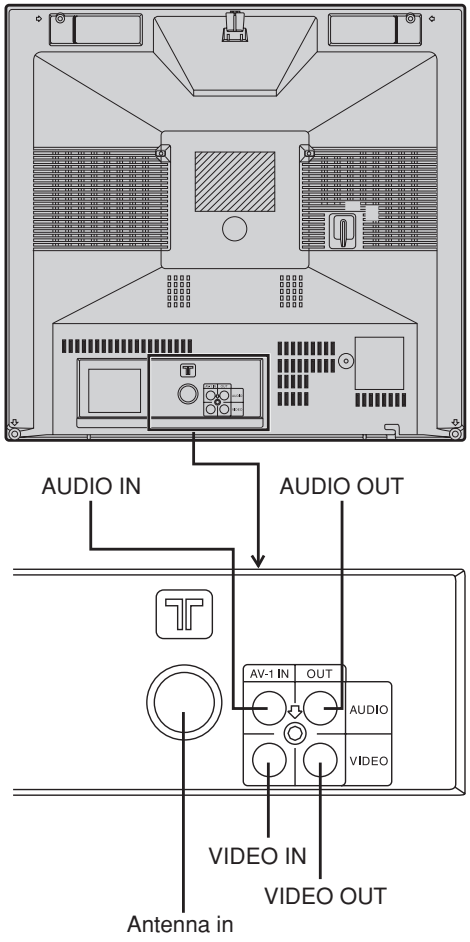
FRONT



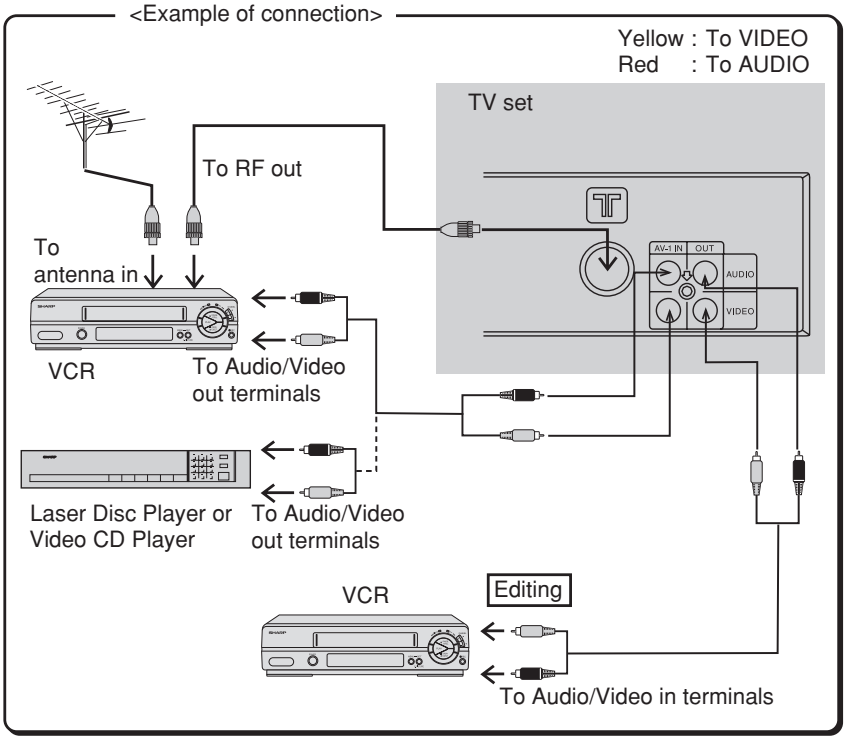
<Example of connection>



REAR



<Example of connection>



NOTE

• When a VCR is connected via the Antenna in, tune the TV to the VCR using preset **Channel 0**.

Troubleshooting

The following problems do not always indicate a hardware failure. Therefore, please use the troubleshooting guide below before calling for repair service.
If, after following the guide none of the remedies work, unplug the TV set and call for service.

Quick Service Check List — **Problems** / **Possible Causes/Remedies**	Remote control does not work	Bars on screen	Picture distorted	Picture rolls vertically	No colour	Poor reception on some channels	Picture weak	Picture lines or streaks	Picture ghosting	Picture blurred	Sound OK, picture poor	Picture OK, sound poor	No picture or sound
Try a new channel to check for possible station trouble			●	●	●	●	●	●	●	●	●	●	●
TV not plugged in Outlet power OFF	●												●
⏻ **POWER** switch of TV not ON	●												●
Antenna not connected to terminal at the rear of the TV set					●	●	●		●		●		●
If outside antenna is used, check for broken wires		●	●	●	●	●	●	●	●	●	●		●
Check for local interference		●		●		●		●	●		●	●	
Turn OFF using the ⏻ **POWER** switch, then turn ON again after a minute	●												●
Adjust COLOUR control					●		●				●		
Check batteries in the remote control	●												
Try fine tuning to correct			●		●		●			●	●		
Contrast setting in picture mode might be all the way to the minus side. Press the **NORMAL** button on the remote control to correct											●		●
Increase the volume												●	●

This unit is equipped with a microprocessor. Its performance could be adversely affected by external electrical noise or interference. If this should happen, unplug the unit and plug it in again after a few minutes.

Specifications

MODEL			20AG1-F
Receiving System			World multi 18-system
	TV Broadcasts /VCR Playback		PAL-I PAL-B/G PAL-D/K SECAM-B/G SECAM-D/K • K1
	VCR Playback		NTSC 4.43/5.5 MHz/60 Hz NTSC 4.43/6.0 MHz/60 Hz NTSC 4.43/6.5 MHz/60 Hz NTSC 4.43/5.5 MHz/50 Hz NTSC 4.43/6.0 MHz/50 Hz NTSC 4.43/6.5 MHz/50 Hz SECAM-I (6.0 MHz)
	VCR Playback (Using Video-in terminals)		SECAM-L (French SECAM) PAL 60 Hz NTSC 3.58 MHz
	Laserdisc Player Playback (Using RF-in terminals)		PAL 5.5 MHz/60 Hz PAL 6.0 MHz/60 Hz PAL 6.5 MHz/60 Hz
Reception Channels			
	PAL-B/G	VHF	E2–E12 ch
	SECAM-B/G	UHF	E21–E69 ch
	PAL-D/K	VHF	C1–C12 ch, R1–R12 ch
	SECAM-D/K • K1	UHF	C13–C57 ch, R21–R69 ch
	PAL-I	VHF	B–J ch
		UHF	21–69 ch (Hong Kong)
	CATV		S1–S20 ch, S21–S41 ch (Hyper)
Receiving Frequency			48.25 MHz – 863.25 MHz
Channel Tuning			100-channel Electronic Tuner with Full Auto Tuning System
Picture Tube			20-Inch Tinted
Terminals			Audio/Video input × 2 (Front × 1, Rear × 1) Audio/Video output × 1 (Rear)
Sound Output			3.0 W (RMS)
Power Source			Rated AC 110–240V, 50/60 Hz
Power Consumption			68 W
Dimensions			499 (W) × 474 (H) × 487 (D) mm
Weight			17 Kg (Approx.)

- Design and specifications are subject to change without notice.
- Receiving System;
  These receiving systems, encompassing all currently available technology, include those with planned broadcast, videotape and laserdisc hardware and software.
- Reception channels;
  Some examples of the main receivable channels are shown above.

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